are largely composed of materials so stable in the form of coal, to have outlived geological ages. But. in plants as in animals. vital energy which enables them to grow. resides in delicate tissues which cess of constant change. When change ceases when the vital energy fails to preserve whirl metamorphosis, the organism becomes cloaaed and death ensues. This is the greatest change al<mark>l:</mark> one individual is obliterated in favour of another. Whv. amonast the various plants and animals, should one find ordinary differences in the normal duration Why should some plants be annuals. whilst through others can live several Whv centuries should a sea-anemone live for fifty vears. whilst the vitalitv of a doa is almost exhausted ten We do not know. We should expect to connection between the length of an organism's life and the period within which it attains sexual maturity. In some classes of plants animals and we can trace such a connection: the northern manki<mark>n</mark>d appear have races of to gained longevity by being late in reaching the age puberty. But this theory is opposed by a host of contradictions. as are indeed almost all attempts bring within the definition of a rule the multiform vagaries of Life's activity.

The life of an individual may thus be compared

to the unrolling of a cinematograph this case the illumination flickers with the alternate flashes and darkness of birth and death. And. bv limitation of reproductive it is peculiar action ensured that each runner in the race differs in constitution from those who give place to him.